

Form Approved
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90-890000456

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Comprehensive Assessment Information Rule

REPORTING FORM

When completed, send this form to:

Document Processing Center Office of Toxic Substances, TS-790 U.S. Environmental Protection Agency 401 M Street, SW Washington, DC 20460 Attention: CAIR Reporting Office For Agency Use Only:

Date of Receipt: \_\_\_\_\_

Document
Control Number: \_\_\_\_

Docket Number: \_\_\_\_

N/A  b. If a chemical substance CAS No. is not provided in the Federal Register, list either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of the chemical substance as provided in the Federal Register.  (i) Chemical name as listed in the rule  (ii) Name of mixture as listed in the rule  (iii) Trade name as listed in the rule  N/A c. If a chemical category is provided in the Federal Register, report the name of the category as listed in the rule, the chemical substance CAS No. you are			SECTION 1 GENERAL MANUFACTURER, IMPORTER, AND PROCESSOR INFORMATION
completed in response to the Federal Register Notice of [1]2 [2]2 [8]8	PART	A	GENERAL REPORTING INFORMATION
Total   Tota	1.01	Th	is Comprehensive Assessment Information Rule (CAIR) Reporting Form has been
Register, list the CAS No	CBI	co	
b. If a chemical substance CAS No. is not provided in the Federal Register, list either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of the chemical substance as provided in the Federal Register.  (i) Chemical name as listed in the rule  (ii) Name of mixture as listed in the rule  (iii) Trade name as listed in the rule  N/A c. If a chemical category is provided in the Federal Register, report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category.  Name of category as listed in the rule  CAS No. of chemical substance	[_]	a.	If a Chemical Abstracts Service Number (CAS No.) is provided in the Federal
either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of the chemical substance as provided in the Federal Register.  (i) Chemical name as listed in the rule			Register, list the CAS No $[0]2]6]4]7]1]-[6]2]-[5]$
(iii) Name of mixture as listed in the rule  (iii) Trade name as listed in the rule	N/A	b.	either (i) the chemical name, (ii) the mixture name, or (iii) the trade name of
(iii) Trade name as listed in the rule			(i) Chemical name as listed in the rule
N/A c. If a chemical category is provided in the Federal Register, report the name of the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category.  Name of category as listed in the rule			(ii) Name of mixture as listed in the rule
the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category.  Name of category as listed in the rule			(iii) Trade name as listed in the rule
CAS No. of chemical substance	N/A	c.	the category as listed in the rule, the chemical substance CAS No. you are reporting on which falls under the listed category, and the chemical name of the substance you are reporting on which falls under the listed category.
Name of chemical substance			
1.02 Identify your reporting status under CAIR by circling the appropriate response(s).  CBI Manufacturer			CAS No. of chemical substance [_]]_]_]_]_]_]_]_]_]_]_[_]
CBI         Manufacturer         1           [_]         Importer         2           Processor         (3           X/P manufacturer reporting for customer who is a processor         4			Name of chemical substance
Processor	1.02	Id	entify your reporting status under CAIR by circling the appropriate response(s).
Processor	CBI	Mai	nufacturer 1
X/P manufacturer reporting for customer who is a processor	[_]	Im	porter 2
		Pr	ocessor(3
X/P processor reporting for customer who is a processor		<b>X</b> /	P manufacturer reporting for customer who is a processor
		<b>X/</b> ]	P processor reporting for customer who is a processor 5
Mark (X) this box if you attach a continuation sheet.			

1.03		s the substance you are reporting on have an "x/p" designation associated with it the above-listed Federal Register Notice?
[ <u>]</u> ]		
1.04 CBI	a.	Do you manufacture, import, or process the listed substance and distribute it under a trade name(s) different than that listed in the Federal Register Notice? Circle the appropriate response.
[_]		Yes
	b.	Check the appropriate box below:  [ ] You have chosen to notify your customers of their reporting obligations
		Provide the trade name(s)
		[_] You have chosen to report for your customers  [_] You have submitted the trade name(s) to EPA one day after the effective date of the rule in the Federal Register Notice under which you are reporting.
1.05 <u>CBI</u>	rep	you buy a trade name product and are reporting because you were notified of your orting requirements by your trade name supplier, provide that trade name.  WUC 3214 T ISOCYANATE
[_]		the trade name product a mixture? Circle the appropriate response.
1.06		tification The person who is responsible for the completion of this form must n the certification statement below:
<u>CBI</u> []	ent	ter D. Hunnicutt  NAME  Name

are required to complete sec now required but not previous submissions along with your "I hereby certify that, to to information which I have not	the best of my knowledge and belief, included in this CAIR Reporting Formurs and is current, accurate, and con	e any information ny previous all required rm has been submitte
NAME	SIGNATURE	DATE SIGNED
TITLE	TELEPHONE NO.	DATE OF PREVIOU SUBMISSION
	Ab 32	ernment bodies) by
using legitimate means (othe a judicial or quasi-judicial information is not publicly	er than discovery based on a showing proceeding) without my company's coavailable elsewhere; and disclosure to my company's competitive position	of special need in onsent; the of the information
using legitimate means (othe a judicial or quasi-judicial information is not publicly	proceeding) without my company's coavailable elsewhere; and disclosure	of special need in onsent; the of the information

PART	B CORPORATE DATA
1.09	Facility Identification
<u>CBI</u>	Name [S]H]E]L]L]E]R]-]G L]O]B]E]  C]O R]P]O]R]A]T]I]O]N] Address [3]2]0]0]  M]A]I]N]  S T]R]E]E]T]   ]   ]   ]   ]   ]
	[K]E]O K]U]K]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]
	Dun & Bradstreet Number $\dots [0]0]-[5]1]3]-[6]0]2]3]$
	EPA ID Number       ID Number </td
	Employer ID Number
	Primary Standard Industrial Classification (SIC) Code $[3]0]7]9$
	0ther SIC Code
	Other SIC Code
1.10	Company Headquarters Identification
<u>CBI</u>	Name [S]H]E]L]L]E]R]-]G]L]O]B]E]]C]O]R]P]O]R]A]T]]]O]N]
[_]	Address [1]6]4]1] PORTER ENTIFIER STREET
	[D]E]T]R]O]I]T]_]_]_]_]_]_]_]_]_]_]_]_]]]]]
	[ <u>M</u> ] <u>I</u> ] [ <u>4</u> ] <u>8</u> ] <u>2</u> ] <u>1</u> ] <u>6</u> ][ <u>]</u> ]_]_] State
	Dun & Bradstreet Number
	Employer ID Number
[_]	Mark (X) this box if you attach a continuation sheet.

1.11	Parent Company Identification
<u>CBI</u>	Name [ ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ] ]
	[_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_] [_]_]_]_]_][_]]_]_] State
	Dun & Bradstreet Number
1.12	Technical Contact
<u>CBI</u> []	Name [A] [C] [E] D [G] A [R] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
	[K]E]O]K]U]K]]]]]]]]]]]]]]]]]]]]]]]]]]]]]
	$\begin{bmatrix} \overline{1} \end{bmatrix} A \begin{bmatrix} \overline{5} \end{bmatrix} 2 \begin{bmatrix} \overline{6} \end{bmatrix} 3 \begin{bmatrix} \overline{2} \end{bmatrix} - \begin{bmatrix} \overline{1} \end{bmatrix} \begin{bmatrix} \overline{1} \end{bmatrix} \begin{bmatrix} \overline{1} \end{bmatrix}$ State
	Telephone Number $[3]1]9]-[5]2]4]-[4]5]6]0]$
1.13	This reporting year is from $[0]1][8]8$ to $[1]2[8]8$ Mo. Year Mo. Year
[_] 1	Mark (X) this box if you attach a continuation sheet.

1.14 /A	Facility Acquired If you purchased this facility during the reporting year, provide the following information about the seller:
<u>CBI</u>	Name of Seller [_]]]]]]]]]]]]]_
	[_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_] [_]_]_]_][_]]]]]]]]]
	Employer ID Number[_]_]_]_]_]_]
	Date of Sale
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	Telephone Number
1.15 'A	Facility Sold If you sold this facility during the reporting year, provide the following information about the buyer:
<u>CBI</u>	Name of Buyer [_]_]_]_]_]_]_]_]_]_]]]]]]]]]
[_]	Mailing Address [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	[_]_] [_]]]]_][_]]]]] State
	Employer ID Number
	Date of Purchase
	Contact Person [_]_]_]_]_]_]_]_]_]_]_]_]_]_]_]
	Telephone Number[_]_]_]-[_]]-[_]]_]-[_]]]]]
[_]	Mark (X) this box if you attach a continuation sheet.

BI J	Classification	Quantity (kg/y
	Manufactured	N/A
	Imported	• <u>N/A</u>
	Processed (include quantity repackaged)	· <u>1195</u>
	Of that quantity manufactured or imported, report that quantity:	
	In storage at the beginning of the reporting year	. <u>N/A</u>
	For on-site use or processing	·N/A
	For direct commercial distribution (including export)	·N/A
	In storage at the end of the reporting year	·N7A
	Of that quantity processed, report that quantity:	
	In storage at the beginning of the reporting year	. 9210
	Processed as a reactant (chemical producer)	1195
	Processed as a formulation component (mixture producer)	·N/A
	Processed as an article component (article producer)	·N/A
	Repackaged (including export)	N/A
	In storage at the end of the reporting year	8015

 $[\ \ ]$  Mark (X) this box if you attach a continuation sheet.

or a c	Mixture If the listed substance on which you are required to report is a mixture or a component of a mixture, provide the following information for each component chemical. (If the mixture composition is variable, report an average percentage of each component chemical for all formulations.)					
	Component Name N/A	Supplier Name	Compositio (specify	rage % on by Weigh precision, \$5% ± 0.5%)		
			Total	100%		

2.04	State the quantity of the listed substance that your facility manu or processed during the 3 corporate fiscal years preceding the repedescending order.	factured, i orting year	mporte in
<u>CBI</u>			
[_]	Year ending	$[\frac{1}{1}]\frac{1}{2}$	[ <u>8</u> ]_ Yea
	Quantity manufactured	N/A	]
	Quantity imported	N/A	
	Quantity processed	1195	
	Year ending		[ <u>8</u> ] <u>6</u> Yea
	Quantity manufactured	N/A	
	Quantity imported	N/A	]
	Quantity processed	205196	
	Year ending		[ <u>8</u> ] <u>5</u> Yea
	Quantity manufactured	N/A	1
	Quantity imported		
	Quantity processed	512992	I
2.05 CBI	Specify the manner in which you manufactured the listed substance. appropriate process types.	Circle all	<u> </u>
[_]	Continuous process		• • • • •
	Semicontinuous process		
	Batch process		

	2.06 CBI	Specify the manner in appropriate process ty		the listed substance.	Circle all
	[_]	Continuous process			,
		Semicontinuous process			
		•			
		Batch process	••••••		
	2.07	State your facility's substance. (If you ar			
	<u>CBI</u>	question.)			
	[_]	Manufacturing capacity			kg/yr
N/A		Processing capacity .			kg/yr
	2.08 CBI	If you intend to incre manufactured, imported year, estimate the inc volume.	, or processed at any	y time after your curre	ent corporate fiscal
			Manufacturing	Importing	Processing
			Quantity (kg)	Quantity (kg)	Quantity (kg)
N/A		Amount of increase			
		Amount of decrease	<del></del>		
	,—,	W 1 (W) :11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	tJ	Mark (X) this box if you	ou attach a continuat	ion sneet.	

	2.09	listed substanc substance during	argest volume manufacturing or processing procese, specify the number of days you manufactured of the reporting year. Also specify the average s type was operated. (If only one or two operated)	or processed number of h	the listed
	<u>CBI</u>			Days/Year	Average Hours/Day
		Process Type #1	(The process type involving the largest quantity of the listed substance.)		
			Manufactured	N/A	N/A
			Processed	260	1
		Process Type #2	(The process type involving the 2nd largest quantity of the listed substance.)		
			Manufactured		
			Processed		· · · · · · · · · · · · · · · · · · ·
		Process Type #3	(The process type involving the 3rd largest quantity of the listed substance.)		
			Manufactured		
			Processed		
	2.10 <u>CBI</u> []		um daily inventory and average monthly inventory was stored on-site during the reporting year in		
NT / N		·	nventory		kg
N/A		Average monthly	inventory		kg
	[_]	Mark (X) this bo	ox if you attach a continuation sheet.		

<u>I</u>	tured, imported, or processed. The source of byproducts, coproducts, or impurities means the source from which the byproducts, coproducts, or impurities are made or introduced into the product (e.g., carryover from raw material, reaction product,					
_]	etc.).				Source of By-	
	CAS No.	Chemical Name	Byproduct, Coproduct or Impurity <sup>1</sup>	Concentration (%) (specify ± % precision)	products, Co- products, or Impurities	
	N/A				<del></del>	
				***************************************		
			<del></del>		Wall All Andrews	
		·····			<del></del>	
	<sup>1</sup> Use the follo	owing codes to designa	te byproduct, copro	duct, or impurity	<b>7:</b>	
	B = Byproduct					
	<pre>C = Coproduct I = Impurity</pre>	-				

quantity of listed substance used of listed under column b., and the type the instructions for further explanations.	es of end-u	sers for each pro	duct type. (Refer to
a. b. % of Qua Manufact Importe Product Types <sup>1</sup> Proces	ured, ed, or	c. % of Quantity Used Captively On-Site	d.  Type of End-Users <sup>2</sup>
	LOO	100	CS
<pre>1 Use the following codes to designal A = Solvent B = Synthetic reactant C = Catalyst/Initiator/Accelerator</pre>	L = M = N = 0 = 0 = N = N = N = N = N = N = N	Moldable/Castable Plasticizer Dye/Pigment/Color Photographic/Reprand additives Electrodeposition Fuel and fuel add Explosive chemical Fragrance/Flavor Pollution control Functional fluide Metal alloy and a Rheological modion Other (specify)  of end-users:	als and additives chemicals l chemicals s and additives additives
	= Consumer = Other (s	pecify)	

<u>:BI</u>	import, or process using corporate fiscal year. import, or process for e substance used during th used captively on-site a types of end-users for e explanation and an examp	For each use, spectach use as a perce e reporting year. Is a percentage of each product type.	ify ntag Als the	the quantity you go of the total voso list the quantivalue listed unde	expect to manufacture lume of listed ty of listed substanc r column b., and the
	a.	b.		c.	d.
	Product Types <sup>1</sup>	% of Quantity Manufactured, Imported, or Processed	_	% of Quantity Used Captively On-Site	Type of End-Users <sup>2</sup>
	B	100		100	CS
			_		
			<del>-</del>		
	<sup>1</sup> Use the following codes  A = Solvent B = Synthetic reactant C = Catalyst/Initiator/		L = M = N =	Moldable/Castable Plasticizer Dye/Pigment/Color	e/Rubber and additive
	Sensitizer  D = Inhibitor/Stabilize    Antioxidant  E = Analytical reagent  F = Chelator/Coagulant/  G = Cleanser/Detergent/  H = Lubricant/Friction    agent  I = Surfactant/Emulsifi	Sequestrant Degreaser modifier/Antiwear	P = Q = R = S = T = U =	Fuel and fuel add Explosive chemica Fragrance/Flavor	n/Plating chemicals ditives als and additives chemicals chemicals s and additives
	<pre>J = Flame retardant K = Coating/Binder/Adhe</pre>		W =	Rheological modif	
		. 1	type	of end-users:	
	<sup>2</sup> Use the following codes	to designate the			

<b>a.</b>	b.	c. Average % Composition of	d.
Product Type <sup>1</sup>	Final Product's Physical Form <sup>2</sup>	Listed Substance in Final Product	Type of End-Users <sup>3</sup>
N/A			
<sup>1</sup> Use the following co	odes to designate pro		
A = Solvent		L = Moldable/Castable	e/Rubber and addi
B = Synthetic reacta		M = Plasticizer	
C = Catalyst/Initia	tor/Accelerator/	N = Dye/Pigment/Colo	
Sensitizer		<pre>0 = Photographic/Rep</pre>	rographic chemical
D = Inhibitor/Stabi	lizer/Scavenger/	and additives	
Antioxidant		P = Electrodeposition	
E = Analytical reage	ent	Q = Fuel and fuel ad	
F = Chelator/Coagula		R = Explosive chemic	
G = Cleanser/Deterge	ent/Degreaser	S = Fragrance/Flavor	
H = Lubricant/Frict:	ion modifier/Antiwear	T = Pollution contro	
agent		U = Functional fluid	s and additives
I = Surfactant/Emuls	sifier	V = Metal alloy and	additives
J = Flame retardant		W = Rheological modi	fier
	Adhesive and additive	s X = Other (specify)	
-		final product's physi	cal form:
A = Gas		stalline solid	
B = Liquid	F3 = Gra		
C = Aqueous solution			
D = Paste	G = Gel		
E = Slurry F1 = Powder	H = Oth	er (specify)	<u>.</u>
_	odes to designate the		
<pre>I = Industrial</pre>	CS = Con		
CM = Commercial	H = Oth	er (specify)	

2.15 <u>CBI</u>		le all applicable modes of transportation used to deliver bulk shipments o ed substance to off-site customers.	f the
[_]	Truck	· · · · · · · · · · · · · · · · · · ·	1
	Railo	car	2
/A	Barge	e, Vessel	3
	Pipel	line	
	Plane	÷	:
	0thei	(specify)	6
2.16 CBI	or pr	omer Use Estimate the quantity of the listed substance used by your cus repared by your customers during the reporting year for use under each cat nd use listed (i-iv).	
[_]	Categ	gory of End Use	
/A	i.	Industrial Products	
·		Chemical or mixture	_ kg/yı
		Article	_ kg/yı
	ii.	Commercial Products	
		Chemical or mixture	_ kg/yı
		Article	_ kg/yı
	iii.	Consumer Products	
		Chemical or mixture	_ kg/yı
		Article	_ kg/yr
	iv.	0ther	
		Distribution (excluding export)	_ kg/yı
		Export	_ kg/yr
		Quantity of substance consumed as reactant	kg/yr
		Unknown customer uses	
			_

	4 CONTRAL DAMA		
PART	A GENERAL DATA		
3.01 <u>CBI</u> [_]	Specify the quantity purchased and the average price for each major source of supply listed. Product trad The average price is the market value of the product substance.	es are treated as	purchases.
(1	Source of Supply	Quantity (kg)	Average Price (\$/kg)
	The listed substance was manufactured on-site.	N/A	N/A
	The listed substance was transferred from a different company site.	N/A	N/A
	The listed substance was purchased directly from a manufacturer or importer.	9210	.68
	The listed substance was purchased from a distributor or repackager.	N/A	N/A
	The listed substance was purchased from a mixture producer.	N/A	N/A
3.02 CBI	Circle all applicable modes of transportation used to your facility.	deliver the list	ed substance to
[_]	Truck	• • • • • • • • • • • • • • • • • • • •	(1
	Railcar		2
	Barge, Vessel		3
	Pipeline		4
	Plane		5
	Other (specify)	• • • • • • • • • • • • • • • • • • • •	6
[_]	Mark (X) this box if you attach a continuation sheet.		

3.03 CBI	а.	Circle all applicable containers used to transport the listed substance to your facility.
[_]		Bags 1
		Boxes 2
		Free standing tank cylinders 3
		Tank rail cars 4
		Hopper cars 5
		Tank trucks 6
		Hopper trucks 7
		Drums(8
		Pipeline 9
		Other (specify)10
	b.	If the listed substance is transported in pressurized tank cylinders, tank rail cars, or tank trucks, state the pressure of the tanks.
		Tank cylinders mmHg
		Tank rail cars mmHg
		Tank trucks mmHg
[_]	Mar	k (X) this box if you attach a continuation sheet.

If you obtain the listed substance in the form of a mixture, list the trade name of the mixture, the name of its supplier(s) or manufacturer(s), an estimate of t average percent composition by weight of the listed substance in the mixture, an amount of mixture processed during the reporting year.					
Trade Name  N/A	Supplier or <u>Manufacturer</u>	Average % Composition by Weight (specify ± % precision)	Amount Processed (kg/yr)		

State the quantity of the listed substance used as a raw material during the reporting year in the form of a class I chemical, class II chemical, or polymer, and the percent composition, by weight, of the listed substance.						
_]	Quantity Used (kg/yr)	% Composition by Weight of Listed Sub- stance in Raw Material (specify ± % precision				
Class I chemical	1195	100				
Class II chemical						
Polymer						
	<del></del>					

	SEC	CTION 4 PHYSICAL/CHEMICA	L PROPERTIES	
Gener	al Instructions:			
		kture as defined in the g mixtures by stating "NA -		estions in Section
notio	e that addresses the inf	you possess any hazard wa formation requested, you n ng those questions which	may submit a copy or	
PART	A PHYSICAL/CHEMICAL DAT	TA SUMMARY		
4.01 CBI	Specify the percent pur substance as it is manu substance in the final	TA SUMMARY  Tity for the three major 1  Ifactured, imported, or p  product form for manufac  or at the point you begin	rocessed. Measure th turing activities, a	he purity of the t the time you
4.01	Specify the percent pur substance as it is manu substance in the final	rity for the three major 1 afactured, imported, or p product form for manufac	rocessed. Measure th turing activities, a	he purity of the t the time you
4.01 CBI	Specify the percent pur substance as it is manu substance in the final	rity for the three major 1 ufactured, imported, or p product form for manufac or at the point you begin	rocessed. Measure the turing activities, a to process the subs	he purity of the time you tance.  Process
4.01 CBI	Specify the percent pur substance as it is manu substance in the final import the substance, o	rity for the three major 1 ufactured, imported, or p product form for manufac or at the point you begin Manufacture	rocessed. Measure the turing activities, a to process the subs	he purity of the t the time you tance.

4.02 Submit your most recently updated Material Safety Data Sheet (MSDS) for the listed substance, and for every formulation containing the listed substance. If you possess an MSDS that you developed and an MSDS developed by a different source, submit your version. Indicate whether at least one MSDS has been submitted by circling the appropriate response.

No	2
Indicate whether the MSDS was developed by your company or by a different source.	
Your company	1
Another source	(2)

 $igotimes_{\mathcal{A}}$ . Mark (X) this box if you attach a continuation sheet.

4.03	Submit a copy or reasonable fathat is provided to your custof formulation containing the list been submitted by circling the	omers/users re sted substance	garding the . Indicate	listed subs	tance or any	
	Yes	• • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			1
	No	• • • • • • • • • • • • •	• • • • • • • • • •			(2)
4.04	corresponding to each physical listed. Physical states for i	l state of the importing and	listed sub processing	stance durin activities a	g the activit re determined	ty d at
<u>CBI</u>	corresponding to each physical	l state of the importing and to process the	listed sub processing listed sub	stance durin activities a stance. Phy	g the activit re determined sical states	ty d at for
4.04 <u>CBI</u> []	corresponding to each physical listed. Physical states for i the time you import or begin t manufacturing, storage, dispos	l state of the importing and to process the	listed sub processing listed sub ort activit	stance durin activities a stance. Phy	g the activit re determined sical states	ty d at for

		rity.	Sical State		
Activity	Solid	Slurry	Liquid	Liquified Gas	Gas
Manufacture	1	2	3	4	5
Import	1	2	3	4	5
Process	1	2	(3)	4	5
Store	1	2	3	4	5
Dispose	1	2	3	4	5
Transport	1	2	3	4	5

 $[\ \ ]$  Mark (X) this box if you attach a continuation sheet.

Physical State         Manufacture         Import         Process         Store         Dispose         Transpose           Dust         ⟨1 micron         N/A	storage,	disposal and transp	ort activities	using t				cturing duct.
1 to <5 microns			Manufacture	Import	Process	Store	Dispose	Transpo
5 to <10 microns    N/A	Dust	<1 micron			N/A			· · · · · · · · · · · · · · · · · · ·
Powder         <1 micron		1 to <5 microns			N/A			
1 to <5 microns		5 to <10 microns			N/A			
5 to <10 microns	Powder	<1 micron			N/A			
Fiber <1 micron		1 to <5 microns			N/A			
1 to <5 microns		5 to <10 microns			— N/A —			
5 to <10 microns  N/A  Aerosol <1 micron  1 to <5 microns  N/A	Fiber	<1 micron			N/A			
Aerosol <1 micron		1 to <5 microns			N/A			
1 to <5 microns		5 to <10 microns			N/A			
F Ac (10 = 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Aerosol	<1 micron			N/A			
5 to <10 microns <u>N/A</u>		1 to <5 microns			N/A			
		5 to <10 microns			N/A	<del> </del>		

		SECTION 5 ENVIRONMENTAL FATE	
PART	A F	RATE CONSTANTS AND TRANSFORMATION PRODUCTS	
5.01	Ind	dicate the rate constants for the following transformation processes.	
	a.	Photolysis:	
		Absorption spectrum coefficient (peak) UK (1/M cm) at	nm
		Reaction quantum yield, 6 at at	nm
		Direct photolysis rate constant, k <sub>p</sub> , atUK1/hr	latitude
	b.	Oxidation constants at 25°C:	
		For <sup>1</sup> 0 <sub>2</sub> (singlet oxygen), k <sub>ox</sub> UK	1/M hr
		For RO <sub>2</sub> (peroxy radical), k <sub>ox</sub> UK	1/M hr
	c.	Five-day biochemical oxygen demand, BOD <sub>5</sub> UK	mg/l
	d.	Biotransformation rate constant:	
		For bacterial transformation in water, $k_b \dots \underline{UK}$	1/hr
		Specify culture UK	

e.	Hydrolysis rate constants:		
	For base-promoted process, k <sub>B</sub>	UK	1/M hr
	For acid-promoted process, $k_A$	UK	1/M hr
	For neutral process, $k_{_{\scriptsize N}}$	UK	1/hr
f.	Chemical reduction rate (specify conditions)	UK	
g.	Other (such as spontaneous degradation)	UK	

[\_] Mark (X) this box if you attach a continuation sheet.

PART	В	PARTITION COEFFICIENTS					
5.02	а.	Specify the half-life of th	e listed substa	nce in the fol	lowing	g media.	
		<u>Media</u>		Half-life (s	pecify	units)	_
		Groundwater		UK			
	-	Atmosphere		UK			
		Surface water		UK			
		Soil		UK			
	b.	Identify the listed substan life greater than 24 hours.	ce's known tran	sformation proc	ducts	that ha	ve a half-
		CAS No.	<u>Name</u>	Half-life (specify uni	ts)		Media
		UK				in	
						in	
						in	
						in	
5.03	•	cify the octanol-water parti					
5.04		cify the soil-water partition					
5.05		cify the organic carbon-water			UK		at 25°C
5.06	Spe	cify the Henry's Law Constant	t, H		UK		atm-m³/mole
[_]	Marl	x (X) this box if you attach	a continuation	sheet.			

Bioconcentration Factor	<u>Species</u>	<u>Test<sup>1</sup></u>
UK		
		-
<sup>1</sup> Use the following codes to des	signate the type of test:	
<pre>F = Flowthrough S = Static</pre>		

	For each market listed below, state to the listed substance sold or transfer	red in bulk during the	reporting year.
[_]		Quantity Sold or	Total Sales
1	Market	Transferred (kg/yr)	Value (\$/yr)
	Retail sales		
	Distribution Wholesalers		
	Distribution Retailers		
	Intra-company transfer		
	Repackagers		
	Mixture producers		
	Article producers		
	Other chemical manufacturers or processors	· · · · · · · · · · · · · · · · · · ·	
	Exporters		
	Other (specify)		
6.05 <u>CBI</u>	Substitutes — List all known commerce for the listed substance and state the feasible substitute is one which is earling your current operation, and which performance in its end uses.	e cost of each substitut conomically and technolo	te. A commercially ogically feasible to
[_]	Substitute		Cost (\$/kg)
	MDI		.44
			***************************************

## SECTION 7 MANUFACTURING AND PROCESSING INFORMATION

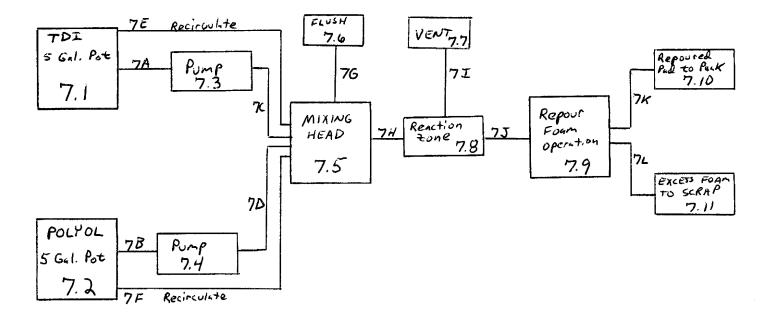
### General Instructions:

For questions 7.04-7.06, provide a separate response for each process block flow diagram provided in questions 7.01, 7.02, and 7.03. Identify the process type from which the information is extracted.

## PART A MANUFACTURING AND PROCESSING PROCESS TYPE DESCRIPTION

7.01 In accordance with the instructions, provide a process block flow diagram showing the major (greatest volume) process type involving the listed substance.
CBI

[ ] Process type ..... Repour Polyurethane Foam Manufacturing Process

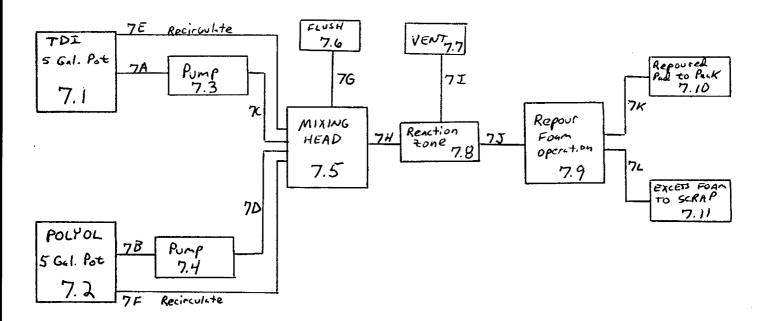


[ ] Mark (X) this box if you attach a continuation sheet.

7.03 In accordance with the instructions, provide a process block flow diagram showing all process emission streams and emission points that contain the listed substance and which, if combined, would total at least 90 percent of all facility emissions if not treated before emission into the environment. If all such emissions are released from one process type, provide a process block flow diagram using the instructions for question 7.01. If all such emissions are released from more than one process type, provide a process block flow diagram showing each process type as a separate block.

<u>CBI</u>

Process type ..... Repour Plolyurethane Foam Manufacturing Process



TDI EMISSIONS

- 7.7 Reaction Zone Vent
- 7.8 REaction Zone

<sup>[ ]</sup> Mark (X) this box if you attach a continuation sheet.

7.04 CBI	process bloc	k flow diagram(s). If cess type, photocopy t	es for each unit ope a process block flo his question and com	w diagram is prov	ided for more
[_]	Process type	····· Repour Poly	rurethane Foam Manufa	acturing Process	
	Unit Operation ID Number	Typical Equipment Type	Operating Temperature Range (°C)	Operating Pressure Range (mm Hg)	Vessel Composition
	7.3	Gear Pump	Ambient	<u>Atmospher</u> ie	Steel
	7.4	<u>Gear Pump</u>	_Ambient	Atmospheri€	Steel
	<del>7.5</del>	_Mixing Head	_Ambient	Atmospheri <b>c</b>	_Steel
	····			<del></del>	
				<del></del>	
					***************************************
		<del></del>			

7.05	process block flow dia	stream identified in yo gram is provided for mo it separately for each	our process block flow di ore than one process type process type.	agram(s). It a , photocopy thi
<u>CBI</u>				
[_]	Process type	Repour Polyurethane	e Foam Manufacturing Pro	cess
	Process Stream ID Code	Process Stream Description	Physical State <sup>1</sup>	Stream Flow (kg/yr)
	7A, 7C	TDI	OL	1195
		POLYOL	OL	7170
		OLYURETHANE FOAM	SO	8365
	GC = Gas (condensible GU = Gas (uncondensib SO = Solid SY = Sludge or slurry AL = Aqueous liquid OL = Organic liquid	at ambient temperature le at ambient temperatu		
		ou attach a continuatio	•	

_]	Process type Repour Polyurethane Foam Manufacturing Process						
	а.	b.	с.	d.	е.		
	Process Stream ID Code	Known Compounds <sup>1</sup>	Concen- trations <sup>2,3</sup> (% or ppm)	Other Expected Compounds	Estimated Concentrations (% or ppm)		
		TDI		NA NA	NA		
	7 <u>B</u>	POLYOL	100%	NA	NA		
	7 <u>J</u>	POLYURETHANE FOAM		NA NA	NA NA		
	continued be						

## 7.06 (continued) <sup>1</sup>For each additive package introduced into a process stream, specify the compounds that are present in each additive package, and the concentration of each component. Assign an additive package number to each additive package and list this number in column b. (Refer to the instructions for further explanation and an example. Refer to the glassary for the definition of additive package.)

Additive Package Number	Components of Additive Package	Concentrations (% or ppm)
1	NA	***************************************
2		
3		
4		
5		
		-
se the following codes to	designate how the concentrati	on was determined:
= Analytical result = Engineering judgement/		
se the following codes to	designate how the concentrati	on was measured:
= Volume = Weight		

[ ] Mark (X) this box if you attach a continuation sheet.

# PART A RESIDUAL TREATMENT PROCESS DESCRIPTION 8.01 In accordance with the instructions, provide a residual treatment block flow diagram which describes the treatment process used for residuals identified in question 7.01. CBI Process type ...... Repour Polyurethane Foam Manufacturing Process

wrethane Foam
Manufacturing
Process
8.1

To Approved
Disposal

7I

Vent Fan
to outside
Atmosphere

Mixing

Repour Poly-

[\_] Mark (X) this box if you attach a continuation sheet.

8.05 CBI	diagram process	n(s). If a r s type, photo	esidual trea	itment block fi estion and co	in your residua low diagram is mplete it separ r explanation a	provided for ately for ea	more than one ch process
[_]	Process	type	···Repo	our Polyuretha	ne Foam Manufa	cturing Proc	ess
	a.	ь.	c.	d.	е.	f.	g.
	Stream ID Code	Type of Hazardous Waste	Physical State of Residual <sup>2</sup>	Known Compounds <sup>3</sup> Methylene	Concentra- tions (% or ppm) <sup>4,5,6</sup>	Other Expected Compounds	Estimated Concen- trations (% or ppm)
	8A	T	GU	Chloride	65 (E)(V)	None	NA
			OL	Methanol	29 (E)(V)		
			•				
				<del></del>			
.05	continue	ed below				<del></del>	

# 8.05 (continued) <sup>1</sup>Use the following codes to designate the type of hazardous waste: I = Ignitable C = Corrosive R = ReactiveE = EP toxicT = ToxicH = Acutely hazardous <sup>2</sup>Use the following codes to designate the physical state of the residual: GC = Gas (condensible at ambient temperature and pressure) GU = Gas (uncondensible at ambient temperature and pressure) SO = SolidSY = Sludge or slurry AL = Aqueous liquid OL = Organic liquid IL = Immiscible liquid (specify phases, e.g., 90% water, 10% toluene) 8.05 continued below

[ ] Mark (X) this box if you attach a continuation sheet.

Assign an additive pack column d. (Refer to the	ch additive package, and the con kage number to each additive pac ne instructions for further expl for the definition of additive p	kage and list this number anation and an example.
Additive Package Number	Components of Additive Package	Concentrations (% or ppm)
1	NA	
2		
3		
4		
E		
5		
<sup>4</sup> Use the following codes	to designate how the concentrati	on was determined:
A = Analytical result E = Engineering judgemen		
continued below		

	<sup>5</sup> Use the fo	ollowing codes	to designate how the concer	itration was measure	·d:
	V = Volume W = Weight	2	to designate now the conce.	retacton was measure	
	=				
	below. As	ssign a code to	est methods used and their each test method used and	list those codes in	the table column e
				D	etection
-	Code		Method	-	( <u>t</u> ug/l
		N/A			
-					
	4				
-	5				
_	6				

8.06	diagram process	erize each p (s). If a r type, photo (Refer to th	esidual trea copy this qu	itment block sestion and c	flow diag	ram is pro t separate	vided for mo ly for each	re than one process
<u>CBI</u>								
[_]	Process	type	··· Repour	Polyurethan	e Foam Ma	nufacturir	g Process	
	a.	b.	c.	d.	e	·	f. Costs for	g.
	Stream ID Code	Waste Description Code	Management Method Code <sup>2</sup>	Residual Quantities (kg/yr)	of Resi	gement dual (%) Off-Site	Off-Site Management (per kg)	Changes in Management Methods
	8A	A01	35R	12184	0	100	.10	None
					400 MARIETO / 100° D. 100° A. M. O *********************************			
	_	codes provi						

N/A	CBI	your process t	lock or residual treatme  Combustion			low diagram(s) Ition of	Residence Time		
N/A	* *************************************		Ch	namber nture (°C)	Temp	erature onitor	In Co	mbustion (seconds)	
		Incinerator	Primary	Secondary	Primary	Secondary	Primary	Secondary	
		1		And All Control and Andrew Server				white the state of	
		2							
		3							
				of Solid Wast propriate resp		s been submit	ted in lieu	of response	
		Yes	• • • • • • • • • •				• • • • • • • • • • •	1	
		No	•••••	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •	2	
N/A	<u>CBI</u>	Incinerator  1 2	ek flow diag	Air Po	llution Device <sup>1</sup>		Types Emissior Avail	ns Data	
		3							
		by circl	ing the app	ropriate resp	onse.	s been submit		•	
		<sup>1</sup> Use the follo							
		S = Scrubber	(include tv	ne of scrubbe	r in parent	hesis)			

## PART A EMPLOYMENT AND POTENTIAL EXPOSURE PROFILE

9.01 Mark (X) the appropriate column to indicate whether your company maintains records on the following data elements for hourly and salaried workers. Specify for each data element the year in which you began maintaining records and the number of years the records for that data element are maintained. (Refer to the instructions for further explanation and an example.)

Data Element	ata are Ma: Hourly Workers	intained for: Salaried Workers	Year in Which Data Collection Began	Number of Years Records Are Maintained
Date of hire	X	x	1907	20+
Age at hire	x`	x	1907	20+
Work history of individual before employment at your facility	x	x	1907	7+
Sex	x	X	1970	7+
Race	X	X	<del>1970</del>	<del>11+</del>
Job titles	x	X	1907	20+
Start date for each job title	X	x	1907	20+
End date for each job title	x	X	<del>1907</del>	20+
Work area industrial hygiene monitoring data	x	x	1970	15+
Personal employee monitoring data	x	x	1970	15+
Employee medical history	x	X	1907	15+
Employee smoking history			<del></del>	
Accident history	x	x	1940	15+
Retirement date	x	X	1940	20+
Termination date	X	x	1940	<del>20+</del>
Vital status of retirees	x	x	1940	20+
Cause of death data	x	X	1940	7+

[_]	Mark	(X)	this	box	if	you	attach	а	continuation	sheet
-----	------	-----	------	-----	----	-----	--------	---	--------------	-------

9.02 In accordance with the instructions, complete the following table for each activity in which you engage. CBI d. b. c. e. a. Total Total Yearly Process Category Quantity (kg) Workers Worker-Hours Activity Manufacture of the Enclosed NA listed substance Controlled Release 0pen NΑ On-site use as Enclosed 0 reactant Controlled Release 1195 260 0pen 0 0 0 On-site use as Enclosed NA nonreactant Controlled Release NA 0pen NΑ NA **Enclosed** On-site preparation of products Controlled Release NA 0pen NA

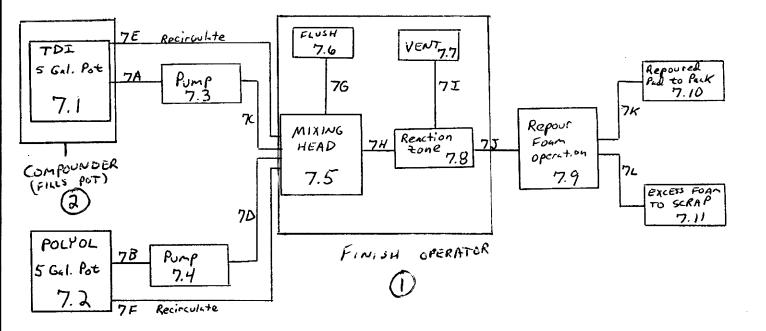
[_]	Mark (X)	this box	if you	attach a	continuation	sheet.
-----	----------	----------	--------	----------	--------------	--------

Labor Category  A B C D E F G H I	Descriptive Job Title  Finish Operator  Compounder
A B C D E F G H	Finish Operator Compounder
B C D E F G H	Compounder
C D E F G H	
D E F G H	
E F G H	
F G H I	
G H I	,
H	
I	
J	
·	

9.04 In accordance with the instructions, provide your process block flow diagram(s) and indicate associated work areas.

CBI

Process type ...... Repour Polyurethane Foam Manufacturing Process



[ ] Mark (X) this box if you attach a continuation sheet.

9.05 CBI	may potentially come i additional areas not s	ork area(s) shown in question 9.04 that encompass workers who n contact with or be exposed to the listed substance. Add any hown in the process block flow diagram in question 7.01 or question and complete it separately for each process type.
[_]	Process type	Repour Polyurethane Foam Manufacturing Process
	Work Area ID	Description of Work Areas and Worker Activities
	1	Foam machine controls-operated by Finish operator
	2	Fill 5 gal. pot with TDI - Compounder
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
[_]	Mark (X) this box if yo	ou attach a continuation sheet.

Process typ	e Rep	our Polyurethane Foam	Manufacturi	ng Process			
Work area .	• • • • • • • • • • • • •						
Labor Category	Number of Workers Exposed	Mode of Exposure (e.g., direct skin contact)	Physical State of Listed Substance	Average Length of Exposure Per Day <sup>2</sup>	Number Days p Year Expos		
_A	2	<u>indirect inhalati</u> on	GU	B	260		
<u>B</u>	1	inhalation	DL	A	52		
1,, ,, ,,							
	of exposure:	to designate the physi	cal state of	the listed su	ostance		
	(condensible a erature and pro		Sludge or sl Aqueous liqu				
GU = Gas	(uncondensible erature and pro	at ambient OL =	OL = Organic liquid IL = Immiscible liquid				
	udes fumes, vaj		(specify phase) 90% water, 1	ases, e.g.,			
<sup>2</sup> Use the fo	llowing codes	to designate average l	ength of expo	sure per day:			
B = Greate	utes or less r than 15 minu ing 1 hour	tes, but not	exceeding 4 h	2 hours, but nours 4 hours, but			
exceeu			exceeding 8 h		110 (		

Weighted Average (	TWA) exposure levels and the 15-mi	, indicate the 8-hour Time nute peak exposure levels. or each process type and work
Process type	·· Repour Polyurethane Foam Man	ufacturing Process
Labor Category	8-hour TWA Exposure Level (ppm, mg/m³, other-specify)	15-Minute Peak Exposure Level (ppm, mg/m³, other-specify)
A	UK	UK
В	UK	UK
	Photocopy this que area.  Process type  Work area  Labor Category  A	Process type Repour Polyurethane Foam Manne Work area

No current monito	ring date	has been co	ompleted			
Sample/Test	Work Area ID	Testing Frequency (per year)	Number of Samples (per test)	Who	Analyzed In-House (Y/N)	Number of Years Recor Maintained
Personal breathing zone						·
General work area (air)						-
Wipe samples						
Adhesive patches						
Blood samples			-			
Urine samples			****			
Respiratory samples						
Allergy tests						·
Other (specify)						
Other (specify)						
Other (specify)						
<sup>1</sup> Use the following			takes the	monitorin	g samples:	
A = Plant industri B = Insurance carr C = OSHA consultan D = Other (specify	ier t	st				

[ ]	Sample Type Sampling and Analytical Methodology
r1	Dampie Type
9.10 CBI	If you conduct personal and/or ambient air monitoring for the listed substance, specify the following information for each equipment type used.
	Equipment Type Detection Limit Manufacturer Time (hr) Model Number
	Use the following codes to designate personal air monitoring equipment types:
	<pre>A = Passive dosimeter B = Detector tube C = Charcoal filtration tube with pump D = Other (specify)</pre>
	Use the following codes to designate ambient air monitoring equipment types:
	E = Stationary monitors located within work area F = Stationary monitors located within facility G = Stationary monitors located at plant boundary H = Mobile monitoring equipment (specify) I = Other (specify)
	<sup>2</sup> Use the following codes to designate detection limit units:
	<pre>A = ppm B = Fibers/cubic centimeter (f/cc) C = Micrograms/cubic meter (μ/m³)</pre>

~= -					
CBI	m . p		(	Frequency	\
	Test Description	_	(weekly, i	monthly, yearl	y, etc.)
		<del></del>			

9.12	Describe the engineering co to the listed substance. P	ntrols that you hotocopy this o	use to reduce of question and comp	r eliminate wor lete it separat	ker exposure ely for each				
CBI	process type and work area.								
[_]	Process type Repour Polyurethane Foam Manufacturing Process								
	Work area			·· <u>#</u> 1					
	Engineering Controls	Used (Y/N)	Year Installed	Upgraded (Y/N)	Year Upgraded				
	Ventilation:								
	Local exhaust	Y	1984	N	NA				
	General dilution								
	Other (specify)								
	Vessel emission controls	NA	NA	NA	NA				
	Mechanical loading or packaging equipment	NA	NA	NA	NA				
	Other (specify)								
			44000-00-						

9.13 <u>CBI</u>	Describe all equipment or process modifications you have m prior to the reporting year that have resulted in a reduct the listed substance. For each equipment or process modif the percentage reduction in exposure that resulted. Photo complete it separately for each process type and work area	ion of worker exposure to ication described, state copy this question and			
[_]	Process type Repour Polyurethane Foam Manufacturing Process				
	Work area				
	Equipment or Process Modification	Reduction in Worker Exposure Per Year (%)			
	Have switched all foam manufacturing process except	99.5%			
	this source from TDI to MDI				

.14 <u>BI</u>	in each work area	in order to reduce or eliminat	pment that your workers wear or e their exposure to the listed it separately for each process
]	Process type	Repair Polyurethane For	am Manufacturing Process
	Work area	•••••	#1
		Equipment Types	Wear or Use (Y/N)
		Respirators	N
		Safety goggles/glasses	N
		Face shields	N
		Coveralls	N Y
		Bib aprons	
		Chemical-resistant gloves	<u> </u>
		Other (specify)	

	respirators tested, and	e, the work areas wher used, the average usa the type and frequence separately for each p	ige, whether or by of the fit t	not the r	espirators w	ere fit
CBI	Process typ	e <u>NA</u>				
·,	Work Area	Respirator Type	Average Usage	Fit Tested (Y/N)	Type of Fit Test <sup>2</sup>	Frequency of Fit Tests (per year)
	<del></del>		<del></del>	<del></del>		
	A = Daily B = Weekly C = Monthly D = Once a E = Other  Use the for QL = Quality QT = Quant	year (specify) Llowing codes to designative	nate the type	of fit tes	t:	

.19	Describe all of the work practices and administrative controls used to reduce or eliminate worker exposure to the listed substance (e.g., restrict entrance only to authorized workers, mark areas with warning signs, insure worker detection and monitoring practices, provide worker training programs, etc.). Photocopy this							
<u>BI</u>	question and complete it separately for each process type and work area.							
]	Process type Repour Polyurethane Foam Manufacturing Process							
	Work area			#1				
	Reaction vessels are fil	led weekly (5gal	.) by compour	nder during b	reak times. Fo			
	dispensing head is enclo	sed by an exhust	hood. Finis	sh operators	are restricted			
	classification from hand	ling indivudual	foam componer	nts.				
20	Indicate (X) how often you leaks or spills of the lis separately for each proces	ted substance.	Photocopy thi	sk used to cl s question an	ean up routine d complete it			
	Process type Repor	ur Polyurethane	Foam Manufact	uring Proces	S			
	Work area	• • • • • • • • • • • • • • • • • • • •	<u>#1</u>					
	Housekeeping Tasks	Less Than Once Per Day	1-2 Times Per Day	3-4 Times Per Day	More Than 4 Times Per Day			
	Sweeping		X					
	Vacuuming	X						
	Water flushing of floors	X						
	_	X						
		X x						

9.21	Do you have a written medical action plan for responding to routine or emergency exposure to the listed substance?
	Routine exposure
	Yes
	No
	Emergency exposure
	Yes
	No
	If yes, where are copies of the plan maintained?
	Routine exposure:
	Emergency exposure:
9.22	Do you have a written leak and spill cleanup plan that addresses the listed substance? Circle the appropriate response.
	Yes
	No
	Local agencies, site emergency co-
	If yes, where are copies of the plan maintained? ordinations, security force, Firs
	Has this plan been coordinated with state or local government response organizations Circle the appropriate response.
	Yes
	No
9.23	Who is responsible for monitoring worker safety at your facility? Circle the appropriate response.
	Plant safety specialist
	Insurance carrier
	OSHA consultant
	Other (specify)

#### SECTION 10 ENVIRONMENTAL RELEASE

#### General Instructions:

Complete Part E (questions 10.23-10.35) for each non-routine release involving the listed substance that occurred during the reporting year. Report on all releases that are equal to or greater than the listed substance's reportable quantity value, RQ, unless the release is federally permitted as defined in 42 U.S.C. 9601, or is specifically excluded under the definition of release as defined in 40 CFR 302.3(22). Reportable quantities are codified in 40 CFR Part 302. If the listed substance is not a hazardous substance under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and, thus, does not have an RQ, then report releases that exceed 2,270 kg. If such a substance however, is designated as a CERCLA hazardous substance, then report those releases that are equal to or greater than the RQ. The facility may have answered these questions or similar questions under the Agency's Accidental Release Information Program and may already have this information readily available. Assign a number to each release and use this number throughout this part to identify the release. Releases over more than a 24-hour period are not single releases, i.e., the release of a chemical substance equal to or greater than an RQ must be reported as a separate release for each 24-hour period the release exceeds the RO.

For questions 10.25-10.35, answer the questions for each release identified in question 10.23. Photocopy these questions and complete them separately for each release.

10.01	Where is your facility located? Circle all appropriate responses.
CBI	
[_]	Industrial area(1)
	Urban area(2)
	Residential area 3
	Agricultural area 4
	Rural area 5
	Adjacent to a park or a recreational area(6)
	Within 1 mile of a navigable waterway 7
	Within 1 mile of a school, university, hospital, or nursing home facility 8
	Within 1 mile of a non-navigable waterway(9)
	Other (specify)10

	Specify the exact location of your is located) in terms of latitude an (UTM) coordinates.	facility (from cen d longitude or Uni	tral point where versal Transverse	process unit Mercader
	Latitude	••••••	40 °	25 ′ 0 '
	Longitude		91 •	24 ′ 40 ′
	UTM coordinates Zone _	23 , North	ing <u>66N</u> , Eas	sting <u>5W</u>
10.03	If you monitor meteorological condithe following information.	tions in the vicin	ity of your facil	lity, provide
IA.	Average annual precipitation	•••••		inches/year
	Predominant wind direction	•••••		
10.04	Indicate the depth to groundwater b	elow your facility	•	
				meters
A	Depth to groundwater			ineters
10.05 CBI	For each on-site activity listed, i listed substance to the environment Y, N, and NA.)	ndicate (Y/N/NA) a	ll routine releas	ses of the
10.05	For each on-site activity listed, i listed substance to the environment	ndicate (Y/N/NA) a . (Refer to the i	ll routine releas	ses of the a definition of
10.05 CBI	For each on-site activity listed, i listed substance to the environment Y, N, and NA.)	ndicate (Y/N/NA) a . (Refer to the i	ll routine releas nstructions for a ironmental Releas	ses of the a definition of
10.05 CBI	For each on-site activity listed, i listed substance to the environment Y, N, and NA.)  On-Site Activity	ndicate (Y/N/NA) a . (Refer to the integration of the integration of the integral of the integ	ll routine releas nstructions for a ironmental Releas Water	ses of the a definition of se Land
10.05 CBI	For each on-site activity listed, i listed substance to the environment Y, N, and NA.)  On-Site Activity  Manufacturing	ndicate (Y/N/NA) a . (Refer to the integration of the integration of the integral of the integ	ll routine releas nstructions for a ironmental Releas Water NA	ses of the a definition of se  Land  NA
10.05 CBI	For each on-site activity listed, i listed substance to the environment Y, N, and NA.)  On-Site Activity  Manufacturing  Importing	ndicate (Y/N/NA) a . (Refer to the integration of the integration of the integral of the integ	ll routine releas nstructions for a ironmental Releas Water NA	ses of the definition of the see Land NA
10.05 CBI	For each on-site activity listed, in listed substance to the environment Y, N, and NA.)  On-Site Activity  Manufacturing  Importing  Processing	ndicate (Y/N/NA) a . (Refer to the integral Envolution   Air NA NA Y	ll routine releas nstructions for a ironmental Releas Water NA NA NA	ses of the definition of the d
10.05 CBI	For each on-site activity listed, in listed substance to the environment Y, N, and NA.)  On-Site Activity  Manufacturing  Importing  Processing  Otherwise used	ndicate (Y/N/NA) a . (Refer to the integral Envolution   Air NA NA Y NA	ll routine releas nstructions for a ironmental Releas Water NA NA NA NA NA NA NA	ses of the definition of the d
10.05 CBI	For each on-site activity listed, in listed substance to the environment Y, N, and NA.)  On-Site Activity  Manufacturing  Importing  Processing  Otherwise used  Product or residual storage	ndicate (Y/N/NA) a . (Refer to the integral inte	ll routine releas nstructions for a ironmental Releas Water NA	ses of the definition of the d

10.06	Provide the following information for the listed of precision for each item. (Refer to the instran example.)		
CBI	an example.)		
[_]	Quantity discharged to the air	10	kg/yr <u>+</u> 5 %
	Quantity discharged in wastewaters	0	kg/yr ± <u>0</u> %
	Quantity managed as other waste in on-site treatment, storage, or disposal units	0	kg/yr ± <u>0</u> %
	Quantity managed as other waste in off-site treatment, storage, or disposal units	0	kg/yr <u>+</u> _0 %
	Data based upon extra exrtapolation from mass b	palancing	

10.08 <u>CBI</u>	for each process stre process block or resid	technologies used to minimize release am containing the listed substance as dual treatment block flow diagram(s). ately for each process type.	identified in your			
[_]	Process type <u>Repour Polyurethane Foam Manufacturing Process</u>					
	Stream ID Code	Control Technology	Percent Efficiency			
	7.1	None	0%			
	7.8	Exhaust Hood	95%			
[_]	Mark (X) this box if yo	ou attach a continuation sheet.				

PART I	RELEASE TO	AIR
10.09 <u>CBI</u> [_]	substance in residual tro	e Emissions Identify each emission point source containing the listed n terms of a Stream ID Code as identified in your process block or eatment block flow diagram(s), and provide a description of each point not include raw material and product storage vents, or fugitive emission g., equipment leaks). Photocopy this question and complete it separately occess type.
	Process type	e Repour Polyurethane Foam Manufacturing Process
	Point Source ID Code	Description of Emission Point Source
	7I	Vent for Reaction Zone
[ ]	Mark (V) this	s box if you attach a continuation sheet.

	Point Source ID Code	Physical State	Average Emissions (kg/day)	Frequency <sup>2</sup> (days/yr)	Duration <sup>3</sup> (min/day)	Average Emission Factor <sup>4</sup>	Maximum Emission Rate (kg/min)	Maximum Emission Rate Frequency (events/yr)	Maximum Emission Rate Duration (min/even
	<u>7</u> I	<u></u>	.04	260	15	.008	.006	360	.033
									-
•			-						
-							****		
-		-							
-					<del></del>				
-					<del></del>				
-									
							***************************************		
-									
~									
2	G = Gas Freque	s; v = vapor ncy of emiss	sion at any le	ignate physical late; A = Aero evel of emission	osol; 0 = Oth on	e point of reer (specify)	lease:		

[]	Point Source ID Code	Stack Height(m)	Stack Inner Diameter (at outlet) (m)	Exhaust Temperature (°C)	Emission Exit Velocity (m/sec)	Building Height(m)	Building Width(m)	Vent Type				
	7 <u>I</u>	2'	8"	Ambient	65CFM_	20 <b>'</b>	400'	<u>H</u>				
						<del></del>	<del></del>					
	<sup>1</sup> Height o	f attached	or adjacent	building								
	<sup>2</sup> Width of	attached o	or adjacent l	ouilding								
	<sup>3</sup> Use the	<sup>3</sup> Use the following codes to designate vent type:										
	H = Hori V = Vert											

 $[\ \ ]$  Mark (X) this box if you attach a continuation sheet.

).12 <u>31</u>	distribution for each Point Source	in particulate form, indicate the particle size ID Code identified in question 10.09. e it separately for each emission point source
<u>_</u> ]	Point source ID code	NA
	Size Range (microns)	Mass Fraction (% $\pm$ % precision)
	< 1	
	≥ 1 to < 10	
	≥ 10 to < 30	
	≥ 30 to < 50	
	≥ 50 to < 100	
	≥ 100 to < 500	
	≥ 500	
		Total = 100%

Leaks Completed which are expected which are expected to the specified tent. Do this for the listed give an overall pother listed subsprocess type.  The continuous reperses of time per yea	osed to the language weight percent for each process low diagram(s substance. I ercentage of tance. Photo	listed subsent of the ss type ics). Do not this is time per occupy this	bstance ase listed sentified ot includes a batch year tha	nd which substance in your e equipme or interior the pro	are in ser passing process b nt types mittently cess type	rvice through lock or that are operated is						
of time per yea		ne Foam N	_									
of time per yea	r that the li	Process type Repour Polyurethane Foam Manufacturing Process										
	• • • • • • • • • • • •		• • • • • • • • •	• • • • • • • • •	to this pr ····· — y Weight l	100 %						
		of Lister	d Substan	ce in Pro	cess Strea							
Type 1	Less than 5%	5-10%	11-25%	<u>26-75%</u>	76-99%	Greater than 99%						
						1						
- 7												
al												
echanical <sup>2</sup>												
seals <sup>1</sup>		-			-	<del></del>						
						_						
		<del></del>				1						
				<del></del>		1						
elief devices <sup>4</sup> vapor only)												
nections												
	<del>.</del>											
lines <sup>5</sup> urge, vent)												
number of pump anrs	nd compressor	seals, r	ather tha	an the num	mber of pu	imps or						
on next page												
1	urge, vent) number of pump ar	urge, vent)  number of pump and compressor	number of pump and compressor seals, res	number of pump and compressor seals, rather that	number of pump and compressor seals, rather than the number	number of pump and compressor seals, rather than the number of purs						

10.13	(continued)										
	<sup>2</sup> If double mechanical seals are operated with the barrier (B) fluid at a pressure greater than the pump stuffing box pressure and/or equipped with a sensor (S) that will detect failure of the seal system, the barrier fluid system, or both, indicat with a "B" and/or an "S", respectively										
	<sup>3</sup> Conditions existing in the valve during normal operation										
	<sup>4</sup> Report all pressure relief devices in service, including those equipped with control devices <sup>5</sup> Lines closed during normal operation that would be used during maintenance operations										
10.14 A <u>CBI</u>	Pressure Relief Devices wi pressure relief devices id devices in service are con enter "None" under column	lentified in 10.13 to atrolled. If a press	indicate which p	ressure relief							
()	a.	b.	c.	d. Estimated							
	Number of Pressure Relief Devices	Percent Chemical in Vessel <sup>1</sup>	<u>Control Device</u>	Control Efficiency <sup>2</sup>							
				400							
		***************************************									
				And the second section of the s							
	Refer to the table in ques heading entitled "Number o Substance" (e.g., <5%, 5-1	of Components in Serv	d the percent rang rice by Weight Perc	ge given under the cent of Listed							
	<sup>2</sup> The EPA assigns a control with rupture discs under n efficiency of 98 percent f conditions	normal operating cond	litions. The EPA a	assigns a control							

10.15 CBI	Equipment Leak Detec place, complete the procedures. Photocotype.	following table re	garding thos	se leak det	ection and r	epair
	Process type			NA		
,	Equipment Type	Leak Detection  Concentration (ppm or mg/m³)  Measured at  Inches  from Source	- Detection Device	Frequency of Leak Detection	Repairs Initiated (days after detection)	Repairs Completed (days after initiated)
	Pump seals					
	Packed					
	Mechanical  Double mechanical					
	Compressor seals					
	Flanges					***************************************
	Valves	· · · · · · · · · · · · · · · · · · ·				
	Gas					
	Liquid					
	Pressure relief devices (gas or vapor only)					
	Sample connections					
	Gas					
	Liquid					
	Open-ended lines					
	Gas					
	Liquid		***************************************			
	<sup>1</sup> Use the following co POVA = Portable orga FPM = Fixed point mo O = Other (specify)	anic vapor analyze	5			

<u>CBI</u>	or res	loual (rea	atment block	TTOM GTARLER	(5).				Operat-	_				
[_]	Vessel		Composition of Stored Materials <sup>3</sup>	(liters	Vessel Filling Rate (gpm)	Vessel Filling Duration (min)	Vessel Inner Diameter (m)		ing Vessel Volume	Vessel Emission Controls	Design Flow Rate	Vent Diameter (cm)	Control Efficiency (%)	Basis for Estimate
	NA													
				<del>Viscour.</del>										
					_									
		-												
												<u> </u>	<u> </u>	
	F CIF NCIF EFR P H U	= Fixed r = Contact = Noncont = Externa = Pressur = Horizon = Undergr	internal flact internal l floating revessel (intal cound)	oating roof floating ro oof dicate press	of ure ratin	ng)	MS1 MS2 MS2 LM1 LM2 LM4 VM1 VM2 VM2	= Med = Sho R = Rin = Liq E = Rin I = Wed = Var E = Rin I = Wed	chanical ne mounte ne mounte nuid mou ne mounte or mou ne mounte ne mounte ne mounte ne mounte ne mounte	shoe, pri ed seconda inted resil ed shield nield nted resil ed secondan nield	mary  ury  lient fi  lent fil	lled seal	primary	s:
		_	it percent of	the listed	substance	e. Includ	e the tota	ıl volat	ile org	ganic conte	ent in p	parenthesi	S	
	_		ating roofs											
	_	•	rate the em							flow rate	units)			
	°Use t	he follow	ring codes to	designate b	asis for	estimate	of control	effici	iency:					
		Calculation	ons											

	list all	releases.	re were more tha	n six releases,	attach a continua	ation sneet and
	Release	_	Date Started	Time (am/pm)	Date Stopped	Time (am/pm)
	1	-	NA			
	2	-		<del></del>		
	3	-				
	4	<del>-</del>		<u></u>	<del> </del>	
	5	_				
	6	-	<del></del>			
10.24	Specify to	he weather o Wind Speed (km/hr)	conditions at th  Wind  Direction	e time of each :  Humidity (%)	release. Temperature (°C)	Precipitation (Y/N)
			222001	(^/0/		
		<u> </u>				
	1 2	NA		<del></del>		
	1	<u> </u>				
	12	<u> </u>				
	1 2 3	<u> </u>				
	1 2 3 4	<u> </u>				
	1 2 3 4 5	<u> </u>				
	1 2 3 4 5	<u> </u>				
	1 2 3 4 5	<u> </u>				
	1 2 3 4 5	<u> </u>				

APPENDIX I: Lis	t of	Continuation	Sheets
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Attach continuation sheets for sections of this form and optional information after this page. In column 1, clearly identify the continuation sheet by listing the question number to which it relates. In column 2, enter the inclusive page numbers of the continuation sheet for each question number.

	Question Number(1)	Continuation Sheet Page Numbers (2)
4.02	MSDS FORM	25
		·
_] Mark	(X) this box if you attach a continuation	sheet.

# MATERIAL SAFETY

BASF Corporation Chemicals Division
100 Cherry Hill Road, Parsippany, New Jersey 07054, (201) 316-3000

BASF

**DATA SHEET** 

PRODUCT NUMBER: 547317

WUC 3214T Isocyanate

PRODUCT MOMBE	n. 34/31/ WUC 3214	T Isocya	nate		
		SECT	ION	l	*Registered Trademark
TRADE NAME: WL	JC 3214T Isocyanate				
CHEMICAL NAME:	Isocyanate Prepolym	er			
SYNONYMS: TE	I Prepolymer		FORM	IULA:	Mixture
CHEMICAL FAMILY	: Aromatic Isocyanate	S			MOL. WGT.: N/A
	SECTION	J II -	INGF	REDIEN	ITS
CON	PONENT	CAS	NO.	%	PEL/TLV - SOURCE
WUC 3214T Isocyan	ate			100	Not established .
Contains:					
Toluene Diiso		584-8 91-0		<20	0.005 ppm; 0.02 ppm STEL ACGIH, OSHA (Final) 0.02 ppm OSHA (Trans)
Isocyanate Pro	epolymer	9016-0	4-3	>80	Not established
SARA Title III Sec	SECTION I	II - PH	IYSI		
VAPOR PRESSURE mm F		·		pH: N/	
SPECIFIC GRAVITY OR				Viscos	ity@ 77°F :1900 cps.
SOLUBILITY IN WATER		lbs/gal			
		DOR: Pun			INTENSITY: Strong
SEC 110	JN IV - FIRE A	ND EX	PLO	SION	HAZARD DATA
FLASH POINT (TEST M		СТ			AUTOIGNITION TEMP: N/A
FLAMMABILITY LIMITS	IN AIR (% BY VOL)	LOWE	R: N/A		UPPER: N/A
EXTINGUISHING MEDIUM	Use water fog, foam	or C02 e	extingu	ishing m	nedía.
SPECIAL FIREFIGHTING PROCEDURES UNUSUAL FIRE AND EXPLOSION	Firefighters must be breathing apparatus fighting isocyanate nitrogen dioxide fun Avoid water contamin	and turr fires mu mes as we nation in	out ge st be ll as close	ear. Per protecte isocyana d contai	sonnel engaged in dagainst
HAZARDS	areas; carbon dioxid	de gas is	gener	ated.	
	EMERGENCY	TELEF	MON	IE NUI	VIBER :
CHEMTREC 800-424	1-9300 20	01-316-30	000		

THIS NUMBER IS AVAILABLE DAYS, NIGHTS, WEEKENDS, AND HOLIDAYS

PRODUCT NUMBER: 547317

WUC 3214T Isocyanate

# SECTION V - HEALTH DATA

TOXICOLOGICAL TEST DATA:

WUC 3214T Isocyanate

**RESULT:** 

Toluene Diisocyanate--TDI

Rat, Oral LD50 Mouse, Inhalation LC50 Severe eye and skin irritant, sensitizer 5.8 g/kg. 10 ppm/4 H

## **EFFECTS OF OVEREXPOSURE:**

The primary routes of exposure to this material are eye or skin contact, and inhalation.

Inhalation of the vapors causes severe irritation to lungs and pulmonary edema can occur after a serious vapor exposure. Liquid contact causes serious skin and eye burns. Pulmonary sensitization can occur in some individuals leading to asthma-type spasms of the bronchial tubes and difficulty in breathing. Preclude from exposure to those individuals having a history of respiratory illness, asthmatic conditions, eye damage or TDI sensitization. Recent studies indicate that overexposure may be associated with chronic lung impairment. TDI was carcinogenic to rats and mice in a NTP bioassay; however, it was not carcinogenic to rats in a lifetime inhalation study. TDI is listed in the National Toxicology Program (NTP) Fourth Annual Report on Carcinogens, and the International Agency for Research (IARC) concluded that there is sufficient evidence that TDI is carcinogenic in animals.

#### FIRST AID PROCEDURES:

Existing medical conditions aggravated by exposure to this material: Pulmonary conditions

Eyes-Immediately wash eyes with running rester for 15 minutes.

Got immediate medical attention.

Skin-Wash offeeted areas with water while removing contaminated

clothing. Get immediate medical attention. Launder

contaminated clothing before reuse.

Ingestion-If swallowed, DO NOT INDUCE VOMITING. Dilute with water
 or milk and get immediate medical attention. Never give fluids or
 induce vomiting if the victim is unconscious or having convulsions.
Inhalation-Move to fresh air. Aid in breathing, if necessary, and get
 immediate medical attention.

## SECTION VI - REACTIVITY DATA

STABILITY:

Stable.

CONDITIONS TO AVOID:

Avoid temperatures >40°C for extended periods of time.

CHEMICAL INCOMPATIBILITY:

Basic compounds, caustic soda, tertiaryamines, water

HAZARDOUS DECOMPOSITION PRODUCTS:

TDI vapors, NOx, CO and HCN.

HAZARDOUS POLYMERIZATION:

May occur.

Avoid contamination with moisture

CONDITIONS TO AVOID: and other products that react with isocyanates.

CORROSIVE TO METAL:

No

OXIDIZER: No

# SECTION VII - SPECIAL PROTECTION

### RESPIRATORY PROTECTION:

Approved respirator for transferring operations or escape.

Self-contained breathing apparatus if the P.E.L. is exceeded, or in confined areas or if a leak occurs.

EYE PROTECTION:

Wear fitted goggles or face shield and safety glasses.

PROTECTIVE CLOTHING: Rubber gloves, coveralls, boots, and rubber apron which must be cleaned after each use.

VENTILATION:

Use local exhaust to control vapors/mists.

OTHER:

Eye wash fountain and safety shower should be readily available. Maintain work area below P.E.L.

DP103 B/87

~ ~ ~ ~

PRODUCT NUMBER: 547317 WUC 3214T Isocy	anate
SECTION VIII - ENVI	000000000000000000000000000000000000000
ENVIRONMENTAL TOXICITY DATA:	
Aquatic toxicity rating: TLm 96: 10 ppm - 1 ppm.	
SPILL AND LEAK PROCEDURES:	
WUC 3214T Isocyanate is a RCRA-regulated product. Wear protective clothing and evacuate all not involved in the cleanup. For minor spills, absorb with absorbent and containerize into open top drums. Decontaminate spill area with a mixture of 90% water, 8% concentrated ammonia and HAZARDOUS SUBSTANCE SUPERFUND: Yes RQ (lbs): 100	
WASTE DISPOSAL METHOD:	
2% detergent. Dispose of waste in a RCRA-permitted facility. Incinerate or landfill in a RCRA-permitted facility.	
HAZARDOUS WASTE 40CFR261: Yes	HAZARDOUS WASTE NUMBER: U 223
CONTAINER DISPOSAL:	
Containers should be neutralized with liquid decontaminant. Empty containers, containing less than 1" of residue, may be landfilled. If containers are not empty, they must be disposed as a hazardous waste in a RCRA-licensed facility.	
SECTION IX - SHIPPING DATA	
D.O.T. PROPER SHIPPING NAME (49CFR172.101-	
Poison B, Liquid NOS wash eves with number	I //OCED CEDOLA 2 (AM)
Gen immediate madios (untont). Settenasi otradied dheas vith water (	REPORTABLE OF ANTITY IRA
D.O.T. HAZARD CLASSIFICATION (CFR172.101-10 PRIMARY	02)
Poison B	SECONDARY None
D.O.T. LABELS REQUIRED (49CFR172.101-102)	D.O.T. PLACARDS POISON CONSTITUENT
Poison	REQUIRED (CFR172.504) (49CFR172.203(K))
	" 2810 "
BILL OF LADING DESCRIPTION	
Poison B Liquid, NOS (Contains Toluene Diisocyanate) UN 2810, RQ 100 LBS.	
*** Placarded : Poison ***	
(Plastic Synthetic Liquid, NOIBN)	
CC NO. 217	LINUMA
	UN/NA CODE2810
DATE PREPARED: 8 / 18 / 88	[IPDATED: 4 / 20 / 89

WHILE BASE CORPORATION BELIEVES THE DATA SET FORTH HEREIN ARE ACCURATE AS OF THE DATE HEREOF, BASE CORPORATION MAKES NO WARRANTY WITH RESPECT THERETO AND EXPRESSLY DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. SUCH DATA ARE OFFERED SOLELY FOR YOUR CONSIDERATION, INVESTIGATION, AND VERIFICATION.

UPDATED:

4 / 20 / 89

## SECTION X - PRODUCT LABEL

#### WUC 3214T Isocyanate

DANGER: POISON. HARMFUL IF INHALED.
CONTAINS TOLUENE DIISOCYANATE (CAS No.: 584-84-9; 91-08-7).
CONTACT WITH EYES AND SKIN RESULTS IN SERIOUS BURNS. INHALATION OF VAPORS
CAUSES SEVERE IRRITATION TO LUNGS. PULMONARY EDEMA MAY OCCUR. PULMONARY SENSITIZATION CAN OCCUR IN SOME INDIVIDUALS, LEADING TO ASTHMA-TYPE SPASMS OF THE
BRONCHIAL TUBES AND DIFFICULTY IN BREATHING. INDIVIDUALS WITH A HISTORY OF
RESPIRATORY ILLNESS, ASTHMATIC CONDITIONS, EYE DAMAGE OR TDI SENSITIZATION
SHOULD NOT BE EXPOSED TO THIS PRODUCT.
IN AN NTP STUDY, TDI WAS CARCINOGENIC TO RODENTS GIVEN HIGH ORAL DOSES
AND IS INCLUDED IN THE NTP ANNUAL REPORT ON CARCINOGENS. TDI WAS NOT
CARCINOGENIC TO RATS IN A TWO-YEAR INHALATION STUDY.

Avoid contact with eyes, skin or clothing. Avoid breathing vapors or mists. Use with local exhaust. Wear an approved respirator or self-contained breathing apparatus, fitted goggles or face shield and safety glasses, gloves, coveralls, boots, apron and other protective clothing as necessary to prevent contact.

#### FIRST AID:

Eyes-Immediately wash eyes with running water for 15 minutes. Get immediate medical attention.

Skin-Wash affected areas with water while removing contaminated clothing. Get immediate medical attention. Launder contaminated clothing before reuse

contaminated clothing before reuse.

Ingestion-If swallowed, DO NOT INDUCE VOMITING. Dilute with water or milk and get immediate medical attention. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Inhalation-Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

EMPORING AND STORAGE: Keep containers closed and store in a dry, well-ventilated place. Outage should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture. Contamination by moisture or basic compounds can cause dangerous pressure buildup in a closed container. Store above 60 F to prevent freezing and isomer separation. Do not exceed 95 F while thawing. Mix before using.

IN CASE OF SPILLS OR LEAKS: Material is a RCRA-regulated product. Spills should be contained, absorbed and placed in suitable containers for disposal in a RCRA-licensed facility.

IN CASE OF FIRE: Use water fog, foam or CO2 extinguishing media. Firefighters should be equipped with self-contained breathing apparatus and turnout gear for protection against TDI vapors and toxic decomposition products.

EMPTY CONTAINERS: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse this container unless it is professionally cleaned and reconditioned.

DISPOSAL: Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations. Refer to our Material Safety Data Sheet for specific disposal instructions.

IN CASE OF CHEMICAL EMERGENCY: Call CHEMTREC day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents 800-424-9300.

ATTENTION: This product is sold solely for use by industrial institutions. Refer to our Technical Bulletin and Material Safety Data Sheet regarding safety, usage, applications, hazards, procedures and disposal of this product. Consult your supervisor for additional information.

FOR INDUSTRY USE ONLY.
CAS No.: 9016-04-3
Proper Shipping Name: Poison B, Liquid NOS - UN 2810 RQ
Made in USA.
Polymers
0888